ALTECH UEC

Leading Technologies: Touching Lives

High Definition Digital TV Receiver
Instruction Manual

DT3900

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IMPORTANT SAFETY INFORMATION

1. Components inside your appliance are subject to high Voltage. Do not ever open it, even after having removed the power cable. Generally speaking, audio &video appliances are not connected to the earth, you may then feel electric shocks (not dangerous) when touching both appliances simultaneously (or one appliance and the antenna cable). We advise to plug the appliances on the mains after having connected everything.

2. Do not use solvent or detergent to clean up your terminal or remote control. A dry cloth will perfectly remove dust.

3. Do not put the receiver close to other appliances. Choose a well-ventilated place and do not put anything on the ventilation grid. Do not ever put the receiver on another appliance; the overheating would prematurely damage the components.

4. When there is storm, unplug all your audio-video appliances from the mains: they could suffer damages not covered by manufacturer's warranty.

5. According to the obligations pursuant to EN 60065 standard, we draw your attention onto the safety elements below. Do not block the ventilation holes with paper, tablecloths, curtains, etc. A minimum distance of 5cm is required around the appliance to ensure enough ventilation.
6. Do not put naked fire sources on or close to the appliance, such as lit candles. The appliance shall not be exposed to water dripping or splash. Do not put things filled with water such as vases onto the appliance.

7. The remote control requires two AAA 1.5V batteries. Please follow the polarity instructions written inside it. To respect environment and law, please never throw out used batteries with household refuse.

8. In order to work properly, the appliance needs to be used according to the instructions.

For further information you can email **support@uec.com.au**

GENERAL INFORMATION

The STB has functions which are possible, but not described in the manual. We do not guarantee these functions and thus are not described.
As a matter of fact, functions considered not essential have been deliberately removed from the document.
Follow the menus to program the terminal. In order to ease the reading of the instructions below, the access to a particular menu shall be given as follows:
MENU / menu / sub-menu.

For instance, when you read:

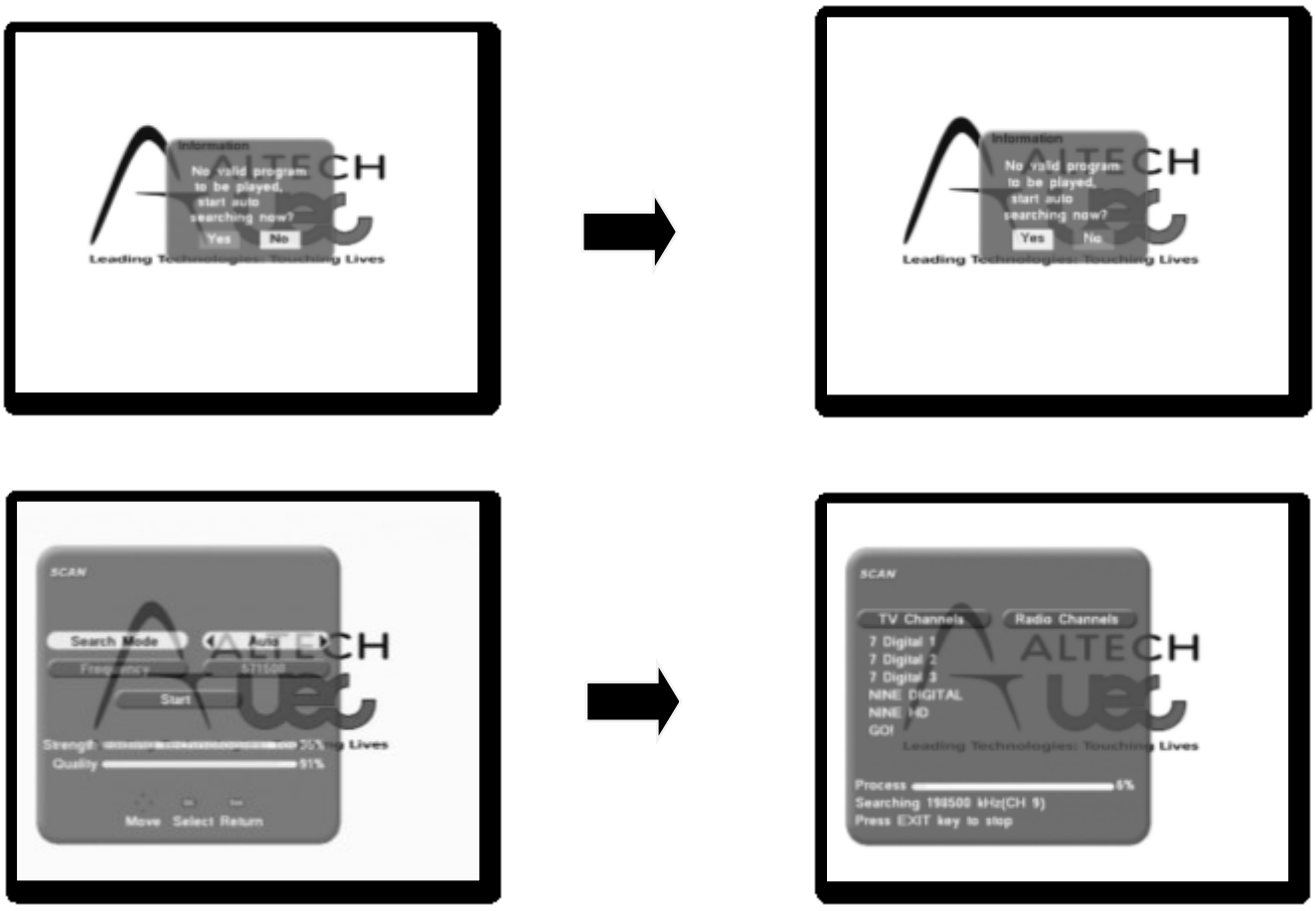
- Go to **MENU / Scan/manual search**

This means:

- Press **MENU key to access the main menu.**
- Press key ▼ to choose the Scan menu and press **OK.**
- Press OK to confirm.

You will notice in the menu that the words written in bold in the manual correspond to the ones on the TV screen.

QUICK START GUIDE



Your DT3900 once plugged in to your TV set and after you have selected the appropriate TV input will display the first image as shown above.

Please ensure you have the aerial cable connected to the DT3900.
(SEE PAGE 9)
Please follow the prompt on the screen to tune your set top to available digital TV signals.

The scanning process will take a few minutes and all available channels will be loaded onto the set top.

Once finished you can exit from the screen and you will see pictures.

REMOTE

1 0-9. In standard mode, the numbered keys allow to enter the channel number you wish to view. In programming mode, they will allow you to enter digits.

2 STANDBY. Switches the receiver on and off (standby).

3 MENU. Press for main menu or to return to the previous menu.

4 LIST. Display the channel list.

5 EXIT. to clear a function.

6 EPG. Displays the Electronic Program Guide (EPG).

7 MUTE. Press to mute the sound. Press the key again for sound.

8 FAV. Short-cut to Favorites.

9 +/-/▲/▼. Arrows to navigate menus and change parameters. Also allows you to switch channels and adjust volume.

10 TV/RAD. To switch the program between TV and Radio.

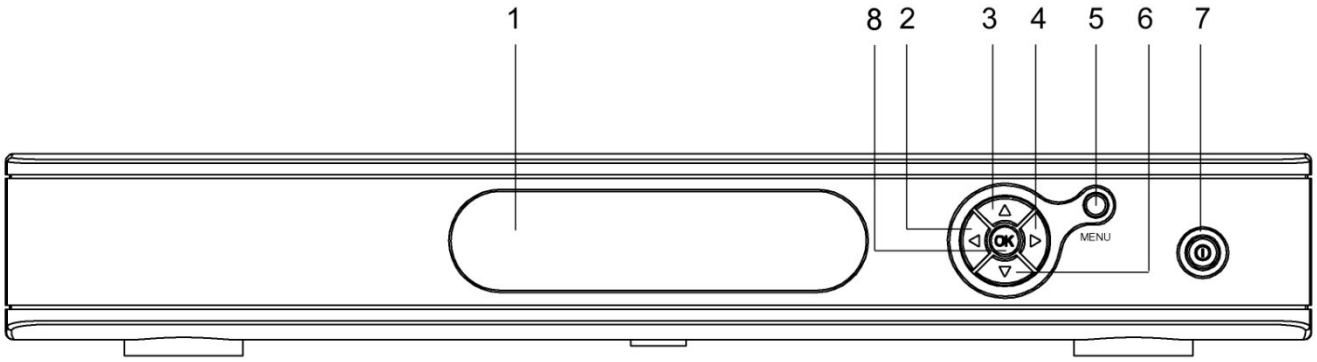
11 INFO. To display the current program information.

12 AUDIO. Allows you to select an alternative audio output (language, Dolby, digital).

13 CC. Select closed caption. (SUBTITLES)

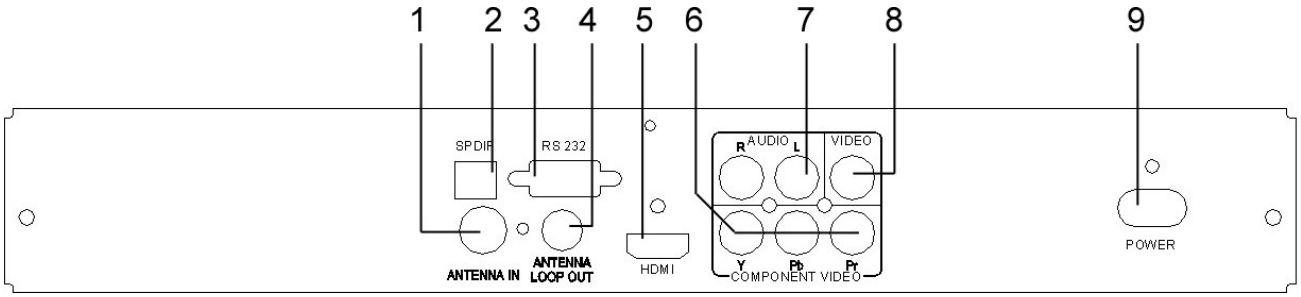
14 OK. To execute an instruction and also lists program in normal operating mode.

FRONT PANEL



1. To display the status of the receiver and program number.
2. 4. To adjust volume
3. 6. To change the channel
5. Menu entry
7. Standby button
8. Operation confirmation

REAR PANEL



1. Terrestrial aerial input
2. Interface, SPDIF output
3. D-sub connectors for software Upgrades only
4. Antenna loop output
5. HDMI output (high definition)
6. YUV outputs (analogue high definition)
7. Analogue audio output. Right/Left
8. Video signal output
9. Power plughole

USING THE SET TOP BOX

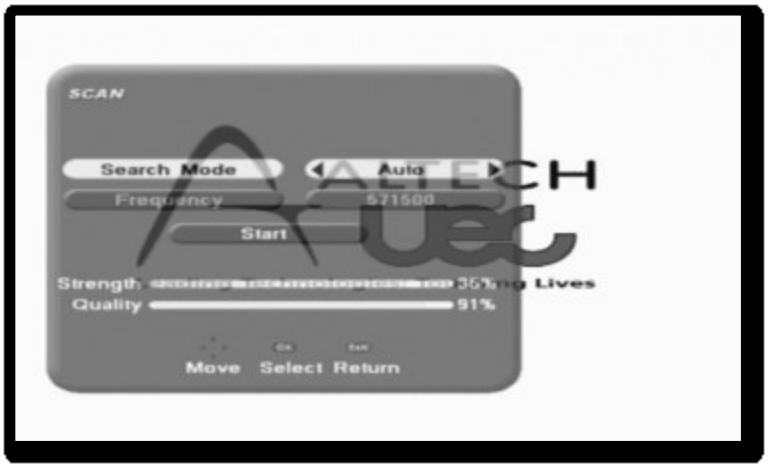
You will mostly only use the followings keys (the function of these keys is explained in the previous paragraph):

- Key + /- to adjust the volume.
- Key ▼▲ to change channels.
- Key Mute to cut off the sound
- Numbered keys or OK for quick access to a channel.
- Key EPG to access the 7 day programme guide.

ADD NEW CHANNELS

If new channels are broadcasted, you can add them as follows: **Menu /Scan / Automatic Search.**

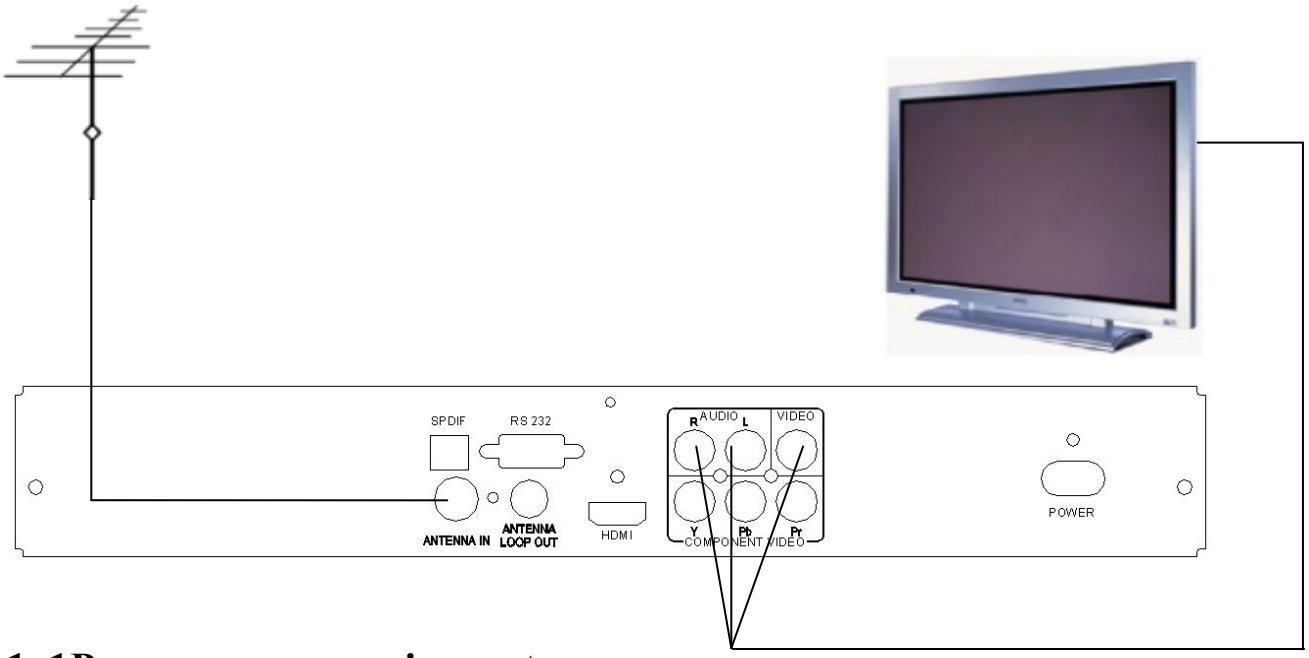
A factory reset (**MENU / Settings / Factory settings may be a better option as** it will also remove channels.



CONNECTION

1. BASIC SET UP- COMPOSITE VIDEO

Uses the single Yellow RCA Video connector for Composite Video (CVBS) with the Red and White RCA AUDIO R & L . All video outputs are active.



1. 1Prepare your equipment

Ensure that the power leads to both the TV set and the Set Top Box are unplugged whilst making AV connections.

1.2. Connecting Video and Audio

Video

Connect the yellow CVBS Composite Video output from your receiver to the Composite Video input of the TV

Audio

a) Connect the Red and White AUDIO L&R output from your receiver to 2 x RCA leads connect the other end of each RCA lead to the corresponding Audio input connectors on your TV set.

1.3. Connect the antenna…

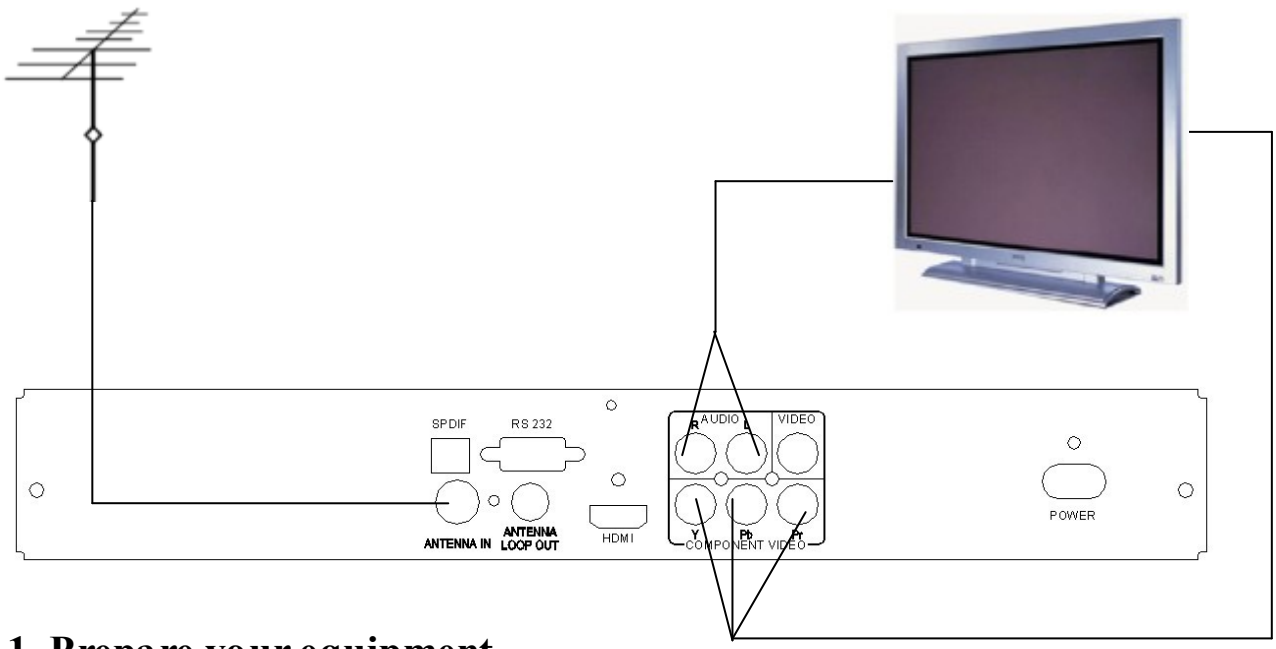
To the “ANTENNA IN” connection on the rear of your receiver.

1.4. Mains Power- Turn all your devices at the mains power & you are ready to scan.

2. BASIC SET UP - COMPONENT VIDEO (red, blue, green)

For a basic component connection, use the Red Blue Green video and the Red White audio connectors on the back of the receiver. The RCA leads included with your receiver can assist.

All video outputs are active simultaneously.



2.1. Prepare your equipment

Ensure that the power leads to both the TV set and the Set Top Box are unplugged whilst making AV connections.

2.2. Connecting Video and Audio

Video a) Connect one end of a 3 wire RCA lead to the Red, Green and Blue Y, Pb, Pr RCA output connectors on the rear of the set top box.

b) Connect the other end of this cable to the corresponding RCA video input connectors on your television or monitor.

Audio. c) Connect a 2 wire RCA lead to the Red and White AUDIO L&R output connectors on the rear of the set top box. d) Connect the other end of the cable to the corresponding audio input connectors on your TV set.

2.3. Connect the antenna…

To the “ANTENNA IN” connection on the back of your receiver.

2.4. Mains Power

Turn on your set top at the mains power & you are ready to scan.

3. BASIC SET UP- HDMI

Uses the HDMI connector on the back of the receiver to provide a complete digital video and audio connection in one neat cable. A HDMI cable of length to suit your purpose is required. All video outputs are active.

3.1. Prepare your equipment

Ensure the power leads to both display and receiver are unplugged whilst making your AV connections. Your TV must have a HDMI input.

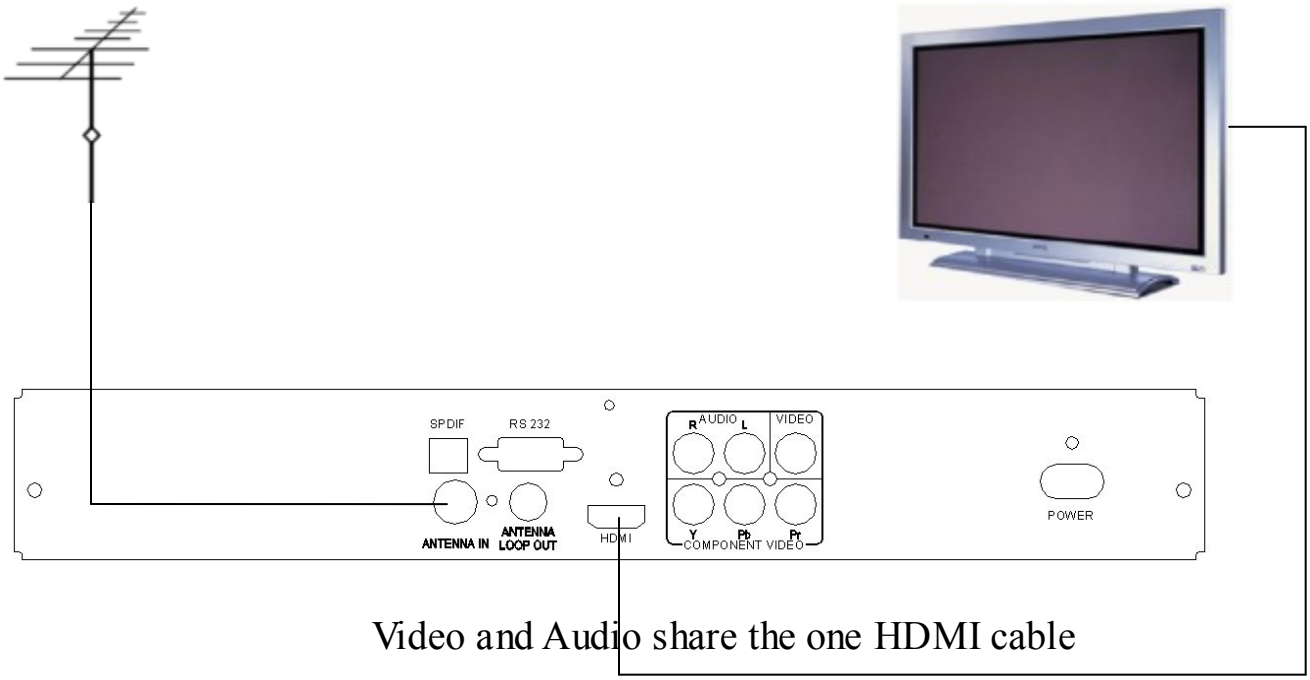
Check your Monitor has a HDMI input.

3.2. Connect the antenna…

to the "ANTENNA IN" socket on the rear of your receiver.

3.3. Mains Power

Turn on your set top at the mains power & you are ready to scan.



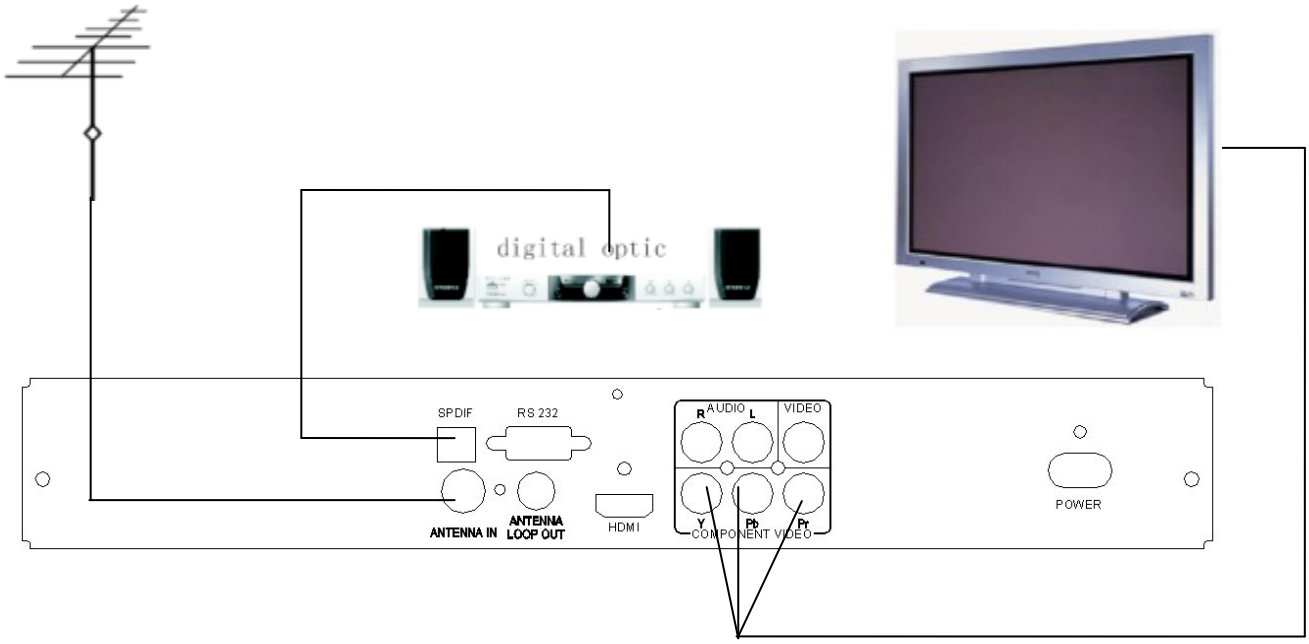
Video and Audio share the one HDMI cable

4. BASIC SETUP. HOME THEATRE

For this Set Up use your preferred video connection, the example below shows video connection via YPbPr, you can use other methods from the previous examples. You will also need an optical fiber cable for the audio.
All of video output modes are ready.

4.1 Prepare your equipment

Make sure that your TV has an YPbPr input.
Be sure the using amplifier has a SPIDF fiber input.
Ensure that the power leads to the TV, the Set Top Box and the amplifier are unplugged before you commence the set up procedure.



4.2 Connecting Video and Audio

Video

Connect the YPbPr cords from the YPbPr output of the Set Top Box to the YPbPr input of the TV.

Audio

a) Connect the fiber optic cable to the SPDIF connector on the rear of the set top box.

b) Connect the other end of the fiber cable to the SPDIF input on an Amplifier.

4.3 Connect the antenna

Connect the antenna lead to the ANTENNA IN connection on the rear of the Set Top Box.

3.4 Connect the power

3.4.1 Plug the power lead of the receiver into the mains.

3.4.2 Connect the power to your monitor.

3.4.3 Link the power to the amplifier; you are now ready to get started.

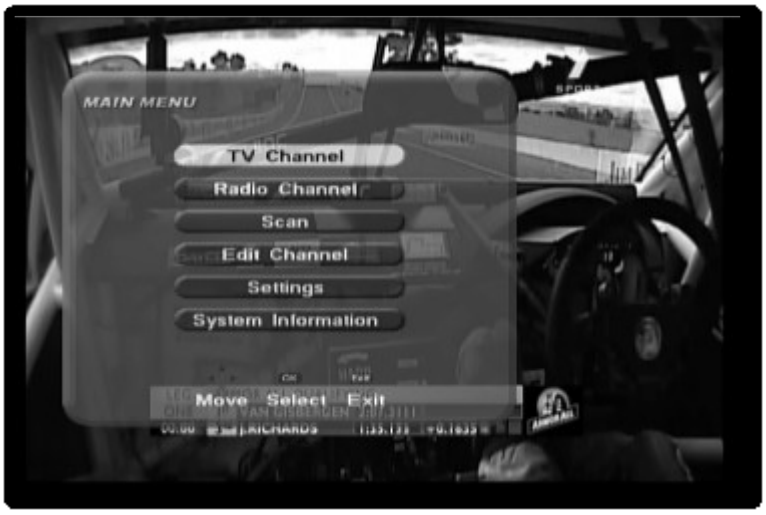
REBOOT THE RECEIVER

Resetting to factory default can be useful if you have change some settings and lost some functions. Resetting takes the receiver back to its original configuration and you will lose all personalized functions (favorites, parental lock, etc…). To avoid resetting the receiver accidentally, you are required to enter a PIN CODE to authorize reset as follows:

- **Menu / Settings / Factory Reset**
- Press the red button **to confirm.**
- Enter your PIN CODE (4 digits – factory code is 0000).
- Wait a few seconds

MAIN MENU

The MAIN MENU allows you access to all set up controls in the set top box.



Use the up and the down arrow key to navigate through the menu.

Press ok if you want to enter a section in the menu

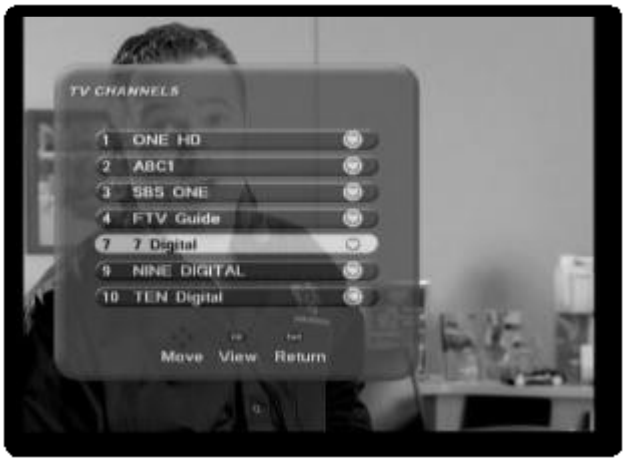
Press exit if you want to exit from the menu

Pin code for installation is 0000

I-BAR

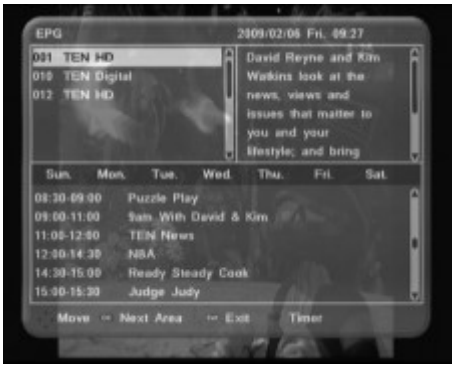
- NOW - Press the INFO key on the remote to activate the basic information bar. For more detailed information about this program, press the OK key while the basic information bar is displayed.

- LIST. The list button on the remote lists all available channels and the arrow up/down button on the remote allow navigation through the list. Once you have decided the channel to view press OK and your channel will be displayed.

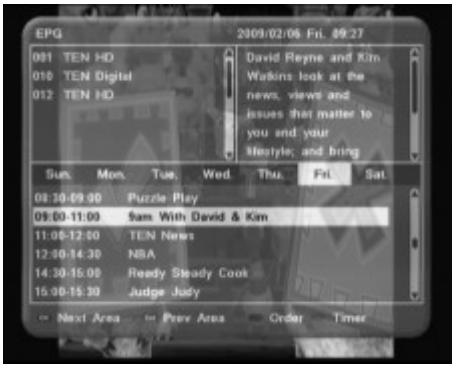


7-DAY ELECTRONIC PROGRAM GUIDE

1. A comprehensive Electronic Program Guide (EPG) is transmitted by most broadcasters with details of Program Names, Times and Descriptions that can exceed more than 7 days in advance. Please allow some time for the EPG to load for each channel. If a channel has not been viewed for a few days the information on that channel will be lost and may need updating. (Picture 1)
2. You can access the EPG by pressing the EPG key on the Remote Control Unit. (picture 1)
3. Use the UP/DOWN keys to select a channel. Press the OK key once to display today's program list. Present program is highlighted in Yellow. Press the </> keys to see the program list for another day. Program detail appears on screen in the top right hand frame. The UP/DOWN keys reveal full program description where necessary. (picture 2)


EPG
2009/02/06 Fri. 09:27
001 TEN HD
010 TEN Digital
012 TEN HD
David Reyne and Kim Watkins look at the news, views and issues that matter to you and your lifestyle, and bring
Sun. Mon. Tue. Wed. Thu. Fri. Sat.
08:30-09:00 Puzzle Play
09:00-11:00 9am With David & Kim
11:00-12:00 TEN News
12:00-14:30 NBA
14:30-15:00 Ready Steady Cook
15:00-15:30 Judge Judy
Move Next Area Exit Timer

(picture 1)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12:00-14:30 NBA
14:30-15:00 Ready Steady Cook
15:00-15:30 Judge Judy
Next Area Prev Area Order Timer

(picture 2)

TV AND RADIO CHANNEL EDIT

Edit channel section in the main menu allows you to Delete, sort, move and create a favourites list of all your channels.

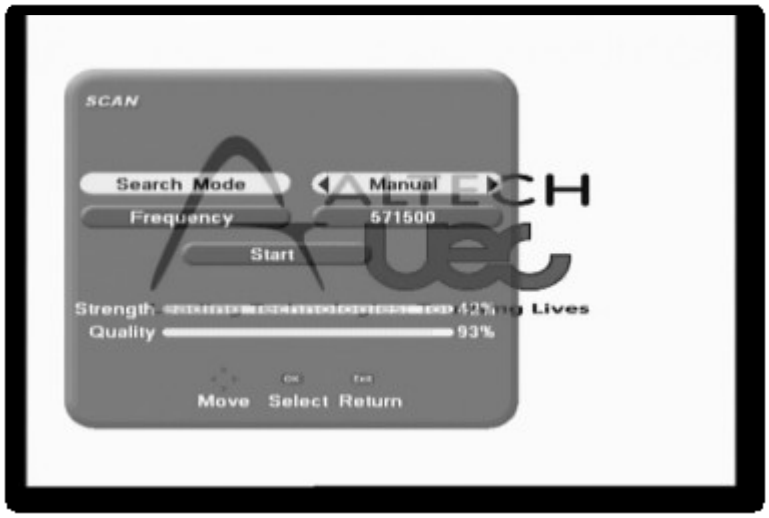
Details on how to perform this is shown on the bottom of the page in the Edit channel page in the menu.

Use the coloured buttons on the remote control to select the task you want to perform. The on screen prompts will guide you through the process.

Ensure that you save settings. You can select your favourite channel list via the FAV button on the remote

DIGITAL TV CHANNEL INSTALLATION

Select the scan function from the main menu



To perform an auto scan change search mode to auto or if you want to scan for a specific channel use manual scan as shown above

SYSTEM CONFIGURATION

The system settings section in the main menu allows you to set parameters that apply to your TV set up at home.
To access this from the main menu you need to key the pin number 0000.
Here you can change settings like Resolution, Time, Screen format and Parental control.

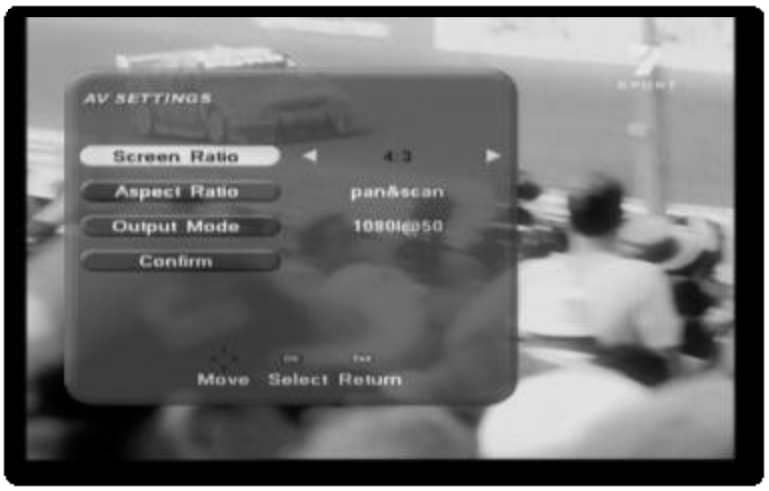
TELEVISION SYSTEM SET UP

This product is designed to suit most types of Televisions. All outputs from the DT3900 are active simultaneously. For use of Component video (Green, Blue, Red) on older style Television sets you may need to reduce.

The resolution to 576i is as shown above. Please select confirm after change.

The set top can also be configured for use on an old or a new widescreen TV.

The aspect ratio 4:3 or 16:9 can be selected from the remote control key [ASPECT].



TIME ZONE SETTING AND SYSTEM INFORMATION

The system setting menu allows you to set the time zone for the state you are in. Please ensure this is set up otherwise incorrect time will be displayed In this section you can also reduce the duration of your information bar and set parental control, the default pin code for parental control is 0000.

During daylight saving in your state you may have turn daylight saving time to on and your set top clock will move 1 hour ahead.

This section in the menu shows details of the Software version of the set top.

In the event of future enhancement or software developments we may make Software available on **www.uec.com.au**

FACTORY DEFAULT

The DT3900 allows you reset to factory defaults via the setting section in the menu.

It is important that you do not perform this function unless absolutely Necessary.

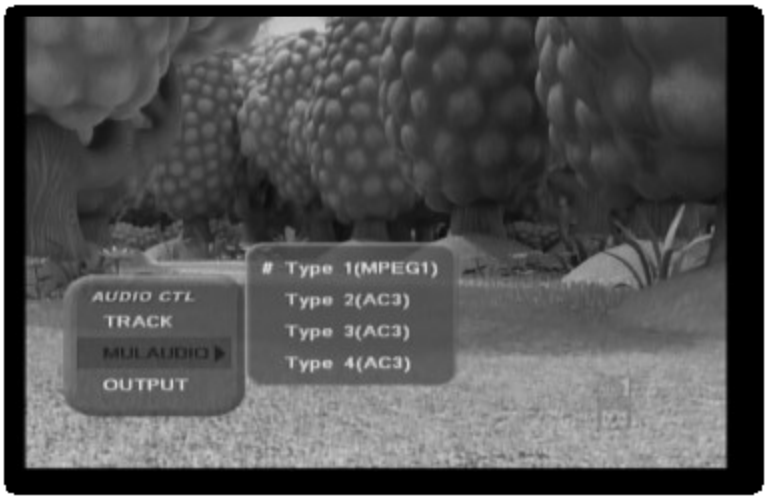
Perform this function if you have moved to another location and need to rescan the set top or the set top is performing erratically and may need factory settings to rectify the problem.

VOLUME CONTROL AND AUDIO SELECTION

The volume from the set top can be controlled via the [-/+] keys on the remote Control.

You can also mute the audio via the mute button on the remote control.
A bar as shown above will be displayed each time volume is controlled.

Some broadcasters transmit multi track audio Mpeg and Dolby digital audio is sometimes transmitted.
The audio button on the remote allows you selection between the two.



SUBTITLES

The CC button on the remote control activates closed captions (subtitles). By pressing the CC button you can have either on or off.

The subtitles will appear as shown in the picture on the right.
The set top will continue to display subtitles even though the channel is changed.

RADIO SERVICE & ASPECT RATIO

Some broadcasters transmit radio channels together with TV channels.
This can be selected by the TV/Radio button on the Remote control.
A list of all radio services is also available by pressing list or OK button.

The remote control has a button which allows you to change the aspect ratio settings of the set top.
It is ideal if you a square TV (4:3) where you are able to view programs in the letterbox format.
This is ideal for sports and movies it provides you with similar viewing to a widescreen TV.

TROUBLESHOOTING

To help you diagnose what your problem is, it might be useful to know the position of the digital transmitters, as well as the UHF channels used.

Important: DIGITAL TV SIGNALS ARE NOT AS FORGIVING AS ANALOGUE SIGNAL. It tends to break into blocks when a weak signal is present. It also presents no video or audio during poor signal.

The table below provides guidelines with what possible problem can occur. If it is a signal issue from your antenna you may have to call your local TV installer.

Symptom	Possible causes	Solution(s) to try
You receive the analogue channels perfectly, but not any digital one. You live in a flat.	Your collective antenna system is not adapted to terrestrial digital system.	Contact your owner or managing agent.
You receive the analogue channels perfectly, but not any digital one.	Your geographical zone is not covered by terrestrial digital system yet.	There is no solution immediately. You will have to wait for your zone to be covered.
You receive some digital channels correctly, but some others are badly transmitted, or not transmitted at all. Regarding the channels you receive, the reception level is not very high. The analogue image is not perfect.	You are too far from the transmitter.	You may call an antenna installer to improve your signal or if you think you are in a black spot you may have to consider satellite TV
You receive all the digital channels, but the reception is disrupted sometimes (when another electrical appliance switches on, for instance).	There are interferences	1 – Change the TV cable going from the TV plug to your terminal and try a shielded one. 2 – Switch the accessories (dividers, derivative devices) with shielded products. 3 – Change the cable between the antenna and the plug.
Your reception is correct most of the time, but gets disrupted when it is raining, or sometimes apparently at random.	Your signal is weak and on the threshold (cliff effect)	Get a more powerful antenna.

WARRANTY CERTIFICATE

WARRANTY CERTIFICATE FOR DT3900

Complete the details on this form and retain in the event of warranty service being required (purchase receipt attached)

PURCHASER'S NAME: _____

ADDRESS: CITY STATE POST CODE

DATE OF PURCHASE INVOICE/SALES DOCKET NO_____

TERMS OF WARRANTY

Altech UEC provides 12 month manufacturers warranty for FAULTY MATERIAL or WORKMANSHIP for the DT3900 from the original date of purchase. Such defect will be rectified, without cost to you for either labour or material, at the premises of Altech UEC or their Authorized Service Centre.

This warranty is subject to the following terms and conditions:

1. Proof of purchase must be produced when a warranty claim is made. Particulars of the model and serial number, the date of original purchase and invoice/sales docket number being provided to the authorized service centre when a claim under warranty is made.
2. All (a) damage resulting from incorrect installation or use other than in accordance with the operating instructions issued by the Company (b) incidental or consequential damage, being excluded from this Warranty.
3. If the product is misused, any unauthorized alteration, modification, substitution of any part of the product be made or the serial number of the product is defaced or altered than the warranty will be rendered invalid.
4. Cost of transportation both ways to and from the authorized service centre being met by the owner if it is necessary to return the product or any part to an authorized service centre. Altech UEC accepts no responsibility for damage in transit to and from his premises
5. This Warranty is only applicable in Australia.
6. In home warranty is not covered by ALTECH UEC.
7. The hours for service are during normal business hours, Monday to Friday not including public holidays.
8. If the product or any parts returned to an authorized service centre for any cause is not covered by this warranty, all costs involved, including a charge for inspection and handling must be paid to the authorized service centre
9. Terms of above warranty can not be varied without consultation with ALTECH UEC.
10. This product must be solely used for domestic purposes.
11. The warranty shall not apply to remote control batteries or any other part with limited life.

If any legislation whether Federal or State applies to this transaction, certain non-excludable conditions and may be implied and certain non-excludable rights may arise but except for such conditions and warranties which might otherwise be implied in this transaction are hereby excluded and negated.

FOR WARRANTY SERVICE, PLEASE CONTACT THE RETAILER FROM WHOM YOU PURCHSED YOUR UNIT OR CONTACT Service on 02 9425 5777

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ALTECH UEC

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